## EAST Search History

| Ref# | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---|---------------------|---------|---------------------|
| L1   | 310  | caprolactam with aqueous same polyamide   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | OFF     | 2008/02/25<br>10:06 |
| L2   | 17   | caprolactam with aqueous same polyamide and spherical                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | OFF     | 2008/02/25<br>10:06 |
| L3   | 0    | caprolactam same aqueous same polyamide and spherical and azeotrope                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | OFF     | 2008/02/25<br>10:10 |
| L4   | 7    | caprolactam same aqueous same polyamide and azeotrope                                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | OFF     | 2008/02/25<br>10:10 |
| L5   | 51   | caprolactam and (aqueous or water) same polyamide and azeotrope                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | OFF     | 2008/02/25<br>10:26 |
| L6   | 14   | caprolactam same (aqueous or water) same polyamide and azeotrope                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | OFF     | 2008/02/25<br>10:26 |
| L7   | 95   | (caprolactam or diamine or nylon salt) same (aqueous or water) same polyamide and azeotrope | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | OFF     | 2008/02/25<br>10:30 |
| L8   | 36   | (caprolactam or diamine or nylon salt) with (aqueous or water) same polyamide and azeotrope | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ                 | OFF     | 2008/02/25<br>10:31 |

| L9  | 55  | (caprolactam or diamine or nylon salt) with solvent same non-solvent same polyamide               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:08 |
|-----|-----|---|---|-----|-----|---------------------|
| L10 | 55  | (caprolactam or diamine or nylon salt) with solvent same non-solvent same polyamide               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:08 |
| L11 | 0   | (caprolactam or diamine or nylon salt) with solvent same non-solvent same polyamide and spherical | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:09 |
| L12 | 3   | (caprolactam or diamine or nylon salt) with solvent same non-solvent and polyamide and spherical  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:09 |
| L13 | 13  | (caprolactam or diamine or nylon salt) same solvent same non-solvent and polyamide and spherical  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:13 |
| L14 | 273 | (caprolactam or diamine or nylon salt) same solvent same non-solvent and polyamide                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:20 |
| L15 | 178 | (caprolactam or diamine or nylon salt) same solvent same non-solvent same polyamide               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:20 |
| L16 | 55  | (caprolactam or diamine or nylon salt) with solvent same non-solvent same polyamide               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:20 |
| L17 | 40  | (caprolactam or diamine or nylon salt) with water same non-solvent same polyamide                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:35 |

| L18          | 145 | (caprolactam or diamine or nylon salt) with water same hydrocarbon same polyamide            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:36 |
|--------------|-----|--|---|-----|-----|---------------------|
| L19          | 36  | (caprolactam or diamine or nylon salt) with water with hydrocarbon same polyamide            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:36 |
| L20          | 21  | (caprolactam or diamine or nylon salt) with water with hydrocarbon with polyamide            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:37 |
| L21          | 3   | (caprolactam or diamine or nylon salt) with water with non-solvent with polyamide            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:51 |
| L22          | 52  | (caprolactam or diamine or nylon salt) and water with non-solvent with polyamide             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:52 |
| L23          | 137 | (caprolactam or diamine or nylon salt) and water with non-solvent same mixture and polyamide | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>11:52 |
| L24          | 0   | ("2003/0059473").URPN.   | USPAT   | OR  | OFF | 2008/02/25<br>11:57 |
| L <b>2</b> 5 | 0   | ("2003/0059473").URPN.   | USPAT   | OR  | OFF | 2008/02/25<br>11:57 |
| L26          | 0   | ("2003/0059473").URPN.   | USPAT   | OR  | OFF | 2008/02/25<br>12:10 |
| L27          | 5   | (montasser or fessi) and polyamide   | USPAT   | ADJ | OFF | 2008/02/25<br>12:21 |
| L28          | 2   | ("3446782"). <b>PN</b> .   | USPAT; USOCR  | OR  | OFF | 2008/02/25<br>13:11 |
| L29          | 1   | ("4254207").PN.  | USPAT; USOCR  | OR  | OFF | 2008/02/25<br>13:23 |
| L30          | 1   | ("4102846").PN.  | USPAT; USOCR  | OR  | OFF | 2008/02/25<br>13:24 |
| L31          | 2   | ("3446782").PN.  | USPAT; USOCR  | OR  | OFF | 2008/02/25<br>13:24 |
| L32          | 0   | "260"".""78".ccls. and<br>"424"".""490".ccls.  | USPAT   | ADJ | OFF | 2008/02/25<br>13:26 |

| L33 | 0    | "260/78".ccls. and "424/490".ccls.  | USPAT   | ADJ | OFF | 2008/02/25<br>13:26 |
|-----|------|---|---|-----|-----|---------------------|
| L34 | 0    | 260/78.ccls.  | USPAT   | ADJ | OFF | 2008/02/25<br>13:27 |
| L35 | 0    | 260/78.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/25<br>13:27 |
| L36 | 0    | 260/78.ccls.  | USPAT   | OR  | OFF | 2008/02/25<br>13:28 |
| L37 | 0    | 260/78.ccls.  | USPAT   | ADJ | OFF | 2008/02/25<br>13:29 |
| L38 | 0    | ((260/78.ccls.)).CCLS.  | USPAT; USOCR  | OR  | OFF | 2008/02/25<br>13:29 |
| L39 | 0    | (260/78).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/25<br>13:30 |
| L40 | 1149 | 260/78  | USPAT   | OR  | OFF | 2008/02/25<br>13:30 |
| L41 | 56   | 260/78 and 424/490  | USPAT   | OR  | OFF | 2008/02/25<br>13:30 |
| L42 | 515  | 260/78 and polyamide  | USPAT   | OR  | OFF | 2008/02/25<br>13:31 |
| L43 | 13   | 260/78 and polyamide and spherical  | USPAT   | OR  | OFF | 2008/02/25<br>13:31 |
| L44 | 1040 | "524" and polyamide and spherical   | USPAT   | OR  | OFF | 2008/02/25<br>13:32 |
| L45 | 120  | "524" and polyamide and spherical<br>and (hexamethylenediamide or<br>caprolactam)                 | USPAT   | OR  | OFF | 2008/02/25<br>13:33 |
| L46 | 11   | "524" and polyamide and spherical<br>and (hexamethylenediamide or<br>caprolactam) and non-solvent | USPAT   | OR  | OFF | 2008/02/25<br>13:33 |
| L47 | 304  | 528/312   | USPAT   | OR  | OFF | 2008/02/25<br>13:34 |
| L48 | 186  | 528/312 and polyamide   | USPAT   | OR  | OFF | 2008/02/25<br>13:35 |
| L49 | 3    | 528/312 and polyamide and spherical   | USPAT   | OR  | OFF | 2008/02/25<br>13:35 |
| S1  | 2    | ("6995233").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/22<br>12:47 |

| S2         | 7     | ("4069184"   "5135991"  <br>"5244984"   "6326460").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/22<br>12:51 |
|------------|-------|--|---|-----|-----|---------------------|
| S3         | 3     | ("4069184"   "5135991"  <br>"5244984"   "6326460").PN. and<br>spherical  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2008/02/22<br>12:55 |
| <b>S</b> 4 | 2299  | polyamide and particle with spherical same diameter  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>12:57 |
| <b>S</b> 5 | 55    | polyamide and particle with<br>spherical same diameter and<br>caprolactam and adipic and<br>(hexamethylenediamine or<br>hexamethylene diamine) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>12:58 |
| S6         | 1     | "6995233"  | USPAT   | OR  | OFF | 2008/02/22<br>13:34 |
| S7         | 1     | "6995233"  | DERWENT   | OR  | OFF | 2008/02/22<br>13:36 |
| S8         | 2     | ("3586654").PN.  | USPAT; USOCR  | OR  | OFF | 2008/02/22<br>14:33 |
| S9         | 1     | ("3669922").PN.  | USPAT; USOCR  | OR  | OFF | 2008/02/22<br>14:35 |
| S10        | 6     | ("4254207").URPN.  | USPAT   | OR  | OFF | 2008/02/22<br>15:35 |
| S11        | 40337 | (emulsion or dispersion) with (hexamethylenediamine or caprolactam or adipic acid)   | USPAT   | OR  | OFF | 2008/02/22<br>16:04 |
| S12        | 616   | (emulsion or dispersion) with (hexamethylenediamine or caprolactam or adipic acid)same polyamide   | USPAT   | OR  | OFF | 2008/02/22<br>16:04 |
| S13        | 15    | (emulsion or dispersion) with (hexamethylenediamine or caprolactam or adipic acid) same polyamide same (polycondensation or polymerisation)    | USPAT   | OR  | OFF | 2008/02/22<br>16:04 |
| S14        | 34    | (emulsion or dispersion) same (hexamethylenediamine or caprolactam or adipic acid) same polyamide same (polycondensation or polymerisation)    | USPAT   | OR  | OFF | 2008/02/22<br>16:11 |

| S15         | 3534 | (emulsion or dispersion) same nylon salt same polyamide same (polycondensation or polymerisation)   | USPAT   | OR  | OFF | 2008/02/22<br>17:49 |
|-------------|------|---|---|-----|-----|---------------------|
| S16         | 8    | (emulsion or dispersion) same nylon salt same polyamide same (polycondensation or polymerisation)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>17:49 |
| S17         | 3    | ("5854372").URPN.   | USPAT   | OR  | OFF | 2008/02/22<br>17:55 |
| S18         | 0    | ("6353052").URPN.   | USPAT   | OR  | OFF | 2008/02/22<br>18:21 |
| S19         | 21   | (emulsion or dispersion) same (nylon salt or adipic and hexamethylenediamine) same polyamide same (polycondensation or polymerisation)                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:22 |
| \$20        | 9    | emulsion same (nylon salt or<br>adipic and hexamethylenediamine)<br>same polyamide same<br>(polycondensation or<br>polymerisation)                                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:22 |
| \$21        | 207  | emulsion and (nylon salt or (adipic same hexamethylenediamine)) and polyamide same (polycondensation or polymerisation)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:24 |
| <b>S</b> 22 | 201  | emulsion and (nylon salt or (adipic same hexamethylenediamine)) and polyamide same (polycondensation or polymerisation) and (water or aqueous)                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:24 |
| <b>S</b> 23 | 10   | emulsion same (nylon salt or<br>(adipic same<br>hexamethylenediamine)) and<br>polyamide same<br>(polycondensation or<br>polymerisation) and (water or<br>aqueous) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:25 |
| S24         | 8    | emulsion same (adipic same hexamethylenediamine) and polyamide same (polycondensation or polymerisation) and (water or aqueous)                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:26 |

| \$25        | 192 | emulsion and (adipic same hexamethylenediamine) and polyamide same (polycondensation or polymerisation) and (water or aqueous)                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:28 |
|-------------|-----|---|---|-----|-----|---------------------|
| S26         | 9   | emulsion same (adipic same hexamethylenediamine) and polyamide same (polycondensation or polymerisation)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:31 |
| S27         | 8   | emulsion same (adipic same hexamethylenediamine) and polyamide same (polycondensation or polymerisation) and (water or aqueous)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:32 |
| S28         | 12  | emulsion same (adipic same hexamethylene diamine) and polyamide same (polycondensation or polymerisation) and (water or aqueous)                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:32 |
| <b>S</b> 29 | 6   | ("3640970").URPN.   | USPAT   | OR  | OFF | 2008/02/22<br>18:36 |
| S30         | 110 | emulsion and (adipic same hexamethylenediamine) and polyamide same (polycondensation or polymerisation) and (water or aqueous) and diameter               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:41 |
| S31         | 61  | emulsion and (adipic same hexamethylenediamine) and polyamide same (polycondensation or polymerisation) and (water or aqueous) and diameter with particle | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | OFF | 2008/02/22<br>18:41 |
| S32         | 1   | ("6696544").PN.   | USPAT; USOCR  | OR  | OFF | 2008/02/22<br>18:43 |
| S33         | 1   | ("6995233").PN.   | USPAT; USOCR  | OR  | OFF | 2008/02/22<br>18:45 |
| S34         | 1   | ("4254207").PN.   | USPAT; USOCR  | OR  | OFF | 2008/02/22<br>18:53 |
| S35         | 6   | ("4254207").URPN.   | USPAT   | OR  | OFF | 2008/02/22<br>18:53 |
| S36         | 16  | "3910846"   | USPAT   | OR  | OFF | 2008/02/22<br>19:06 |
| S37         | 1   | ("3910846").PN.   | USPAT; USOCR  | OR  | OFF | 2008/02/22<br>19:06 |
| S38         | 2   | ("3586654").PN.   | USPAT; USOCR  | OR  | OFF | 2008/02/22<br>19:09 |

| S39 | 61 | emulsion and (acid same diamine) | US-PGPUB;    | ADJ | OFF | 2008/02/22 |
|-----|----|----------------------------------|--------------|-----|-----|------------|
|     |    | and polyamide same               | USPAT;       |     |     | 19:14      |
|     |    | (polycondensation or             | USOCR; FPRS; |     |     |            |
|     |    | polymerisation) and (water or    | EPO; JPO;    |     |     |            |
|     |    | aqueous) and diameter same       | DERWENT;     |     |     |            |
|     |    | particle size                    | IBM_TDB      |     |     |            |

2/25/2008 1:48:50 PM

C:\ Documents and Settings\ glistvoyb\ My Documents\ EAST\ Workspaces\ 10562051.wsp